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**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

Claim 1-15 (cancelled)

Claim 16 (previously presented): An article of manufacture comprising a program storage medium having computer readable program code means embodied therein for causing the adjustment of an exposure, the computer readable program code means in said article of manufacture comprising:

computer readable program code means for causing a computer to read an indication of the brightness of an illumination source from a model;

computer readable program code means for causing said computer to adjust said exposure based on said indication of said brightness of said illumination source.

Claim 17 (original): The article of manufacture of claim 16 further comprising:

computer readable program code means for causing said computer to turn on and turn off said illumination source.

Claim 18 (original): The article of manufacture of claim 17 further comprising:

computer readable program code means for causing said computer to indicate to said model the on times and off times of said illumination source.

Claim 19 (previously presented): The article of manufacture of claim 18 further comprising:

computer readable program code means for causing said computer to obtain an indication of an ambient temperature; and

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computer readable program code means for causing said computer to adjust said exposure based on said indication of said ambient temperature.

Claim 20 (previously presented): The article of manufacture of claim 19 wherein said illumination source is at least one light emitting diode.

Claim 21 (previously presented): The article of manufacture of claim 20 wherein said model is a series resistor-capacitor circuit and said indication of said brightness of said illumination source is obtained from the voltage across said capacitor.

Claim 22 (original): The article of manufacture of claim 20 wherein said model is a series resistor-inductor circuit.

Claim 23 (previously presented): An image capture device, comprising:

illumination means;

modeling means, said modeling means producing a modelling means output that is indicative of the relative brightness of said illumination means; and

exposure adjustment means for changing an exposure to compensate for changes in said relative brightness of said illumination means as indicated by said modelling means output.

Claim 24 (original): The image capture device of claim 23 wherein said modeling means has a modeling means input and said modeling means input is an indication of the on times and the off times of said illumination means.

Claim 25 (original): The image capture device of claim 24, further comprising:

ambient temperature sensor means for producing a sensed ambient temperature wherein said exposure is also changed to compensate for said sensed ambient temperature.

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Claim 26 (original): The image capture device of claim 25 wherein said illumination means is at least one light emitting diode.

Claim 27 (original): The image capture device of claim 26 wherein said modeling means comprises at least a capacitor and a resistor.

Claim 28 (previously presented): The image capture device of claim 26 wherein said modeling means comprises at least an inductor and a resistor.

Claim 29 (original): The image capture device of claim 26 wherein said exposure is adjusted by changing said on times of said illumination source.